

## **Data Access, Integration and Stewardship Challenges for the Future**

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Many challenges arise when NASA and other scientific organizations formulate their future data and information acquisition and usability strategies. How will the challenges for providing global collection, distribution and availability of Earth science data be addressed? How will the challenges for NASA and its partners worldwide to provide for and ensure access to the data that allows for the integration and exploitation of interdisciplinary data and information to answer important scientific questions be addressed? How will the challenge for guaranteeing stewardship of the data be addressed by NASA and its partners on a global scale over long timeframes in multiple domains? How will the challenges be addressed for providing the necessary tools/services/techniques for the ever broadening community of potential users of the ever increasing volume of data be addressed? 'Looking back to look forward' on how some of these challenges have been addressed and might possibly be addressed in the coming years will be described in this presentation.